

Fig. 1

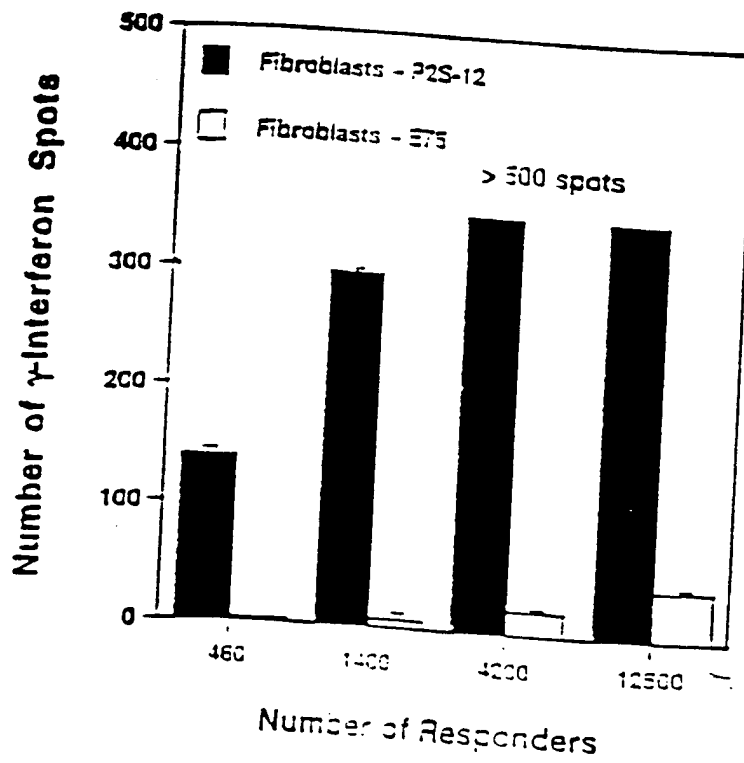


Fig. 2A

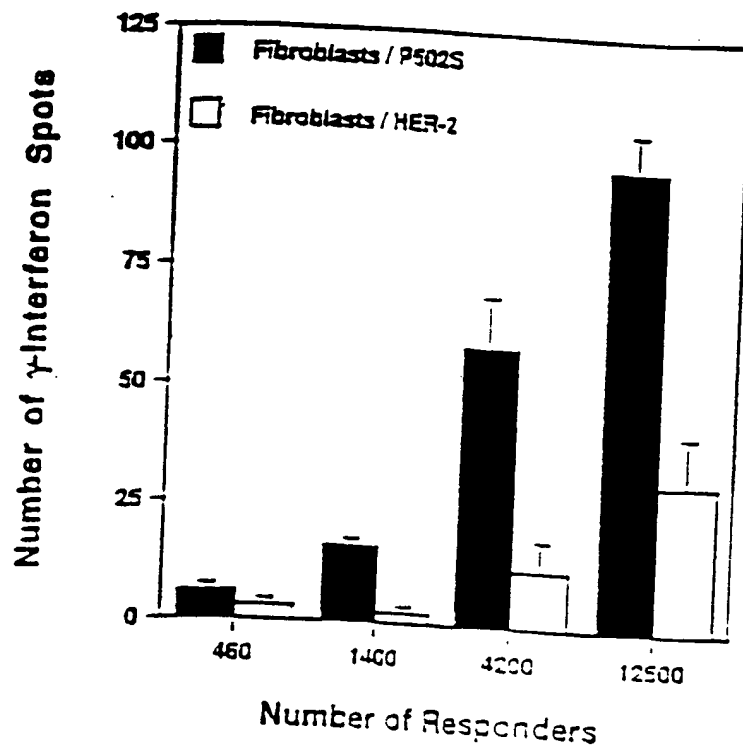


Fig. 2B

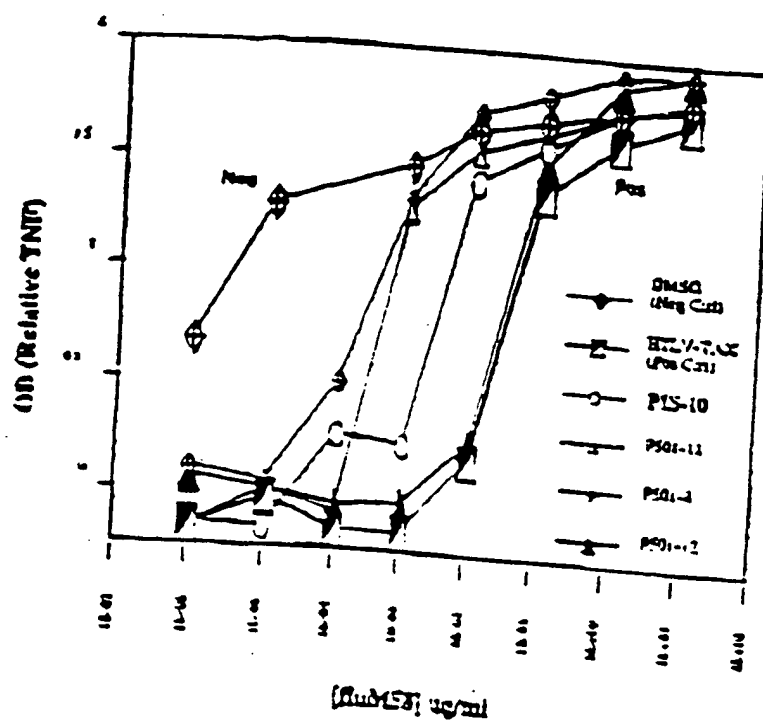


Fig. 3

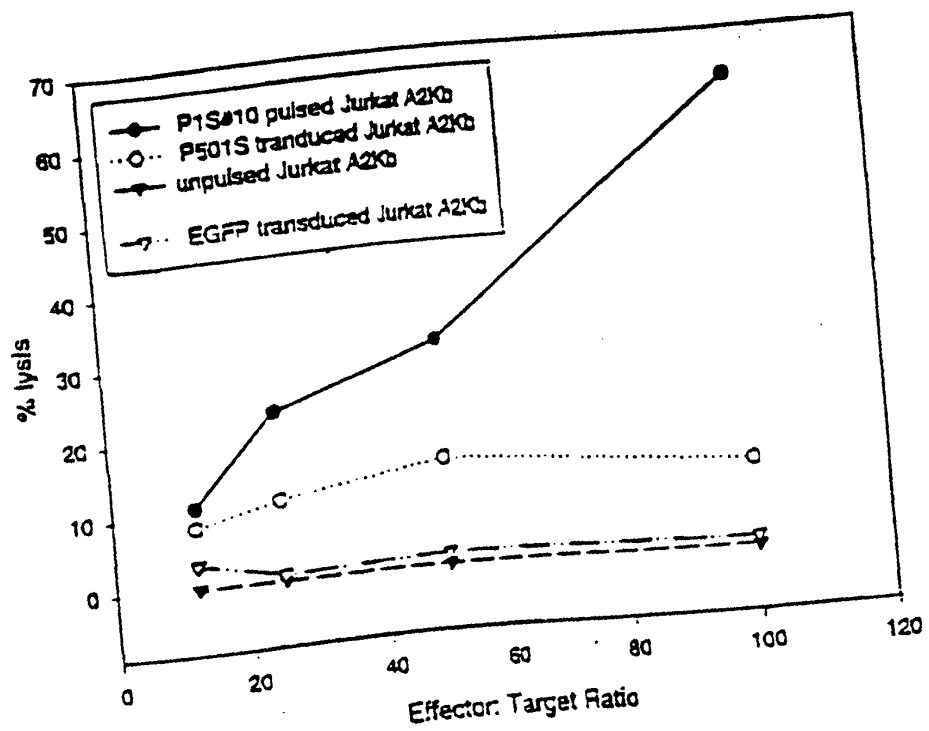


Fig. 4

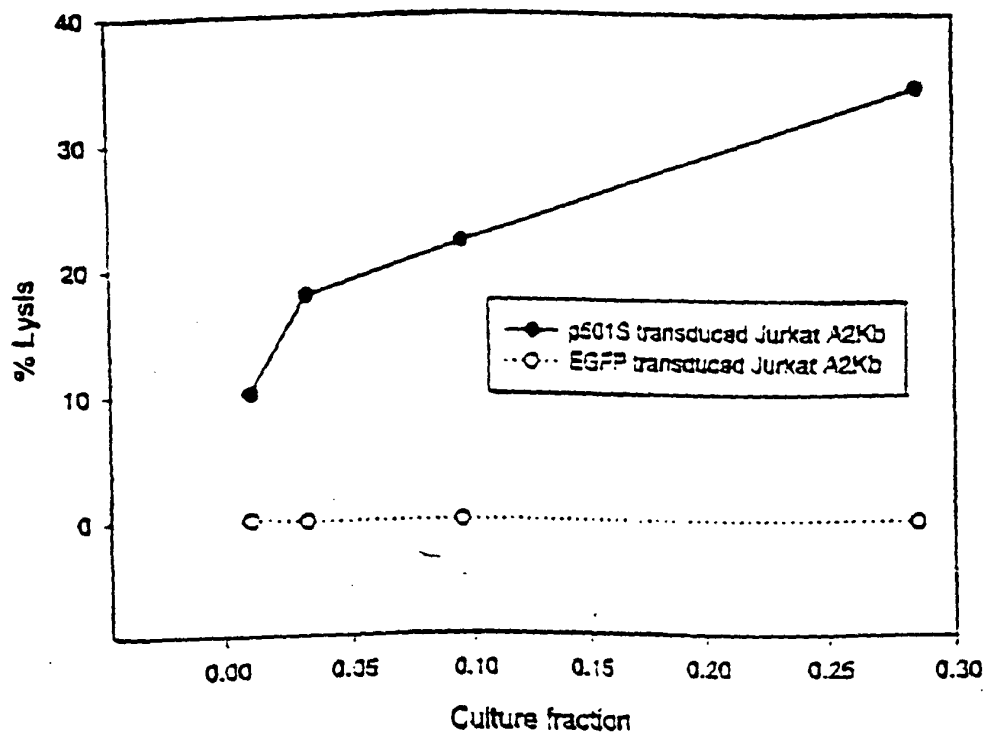


Fig. 5

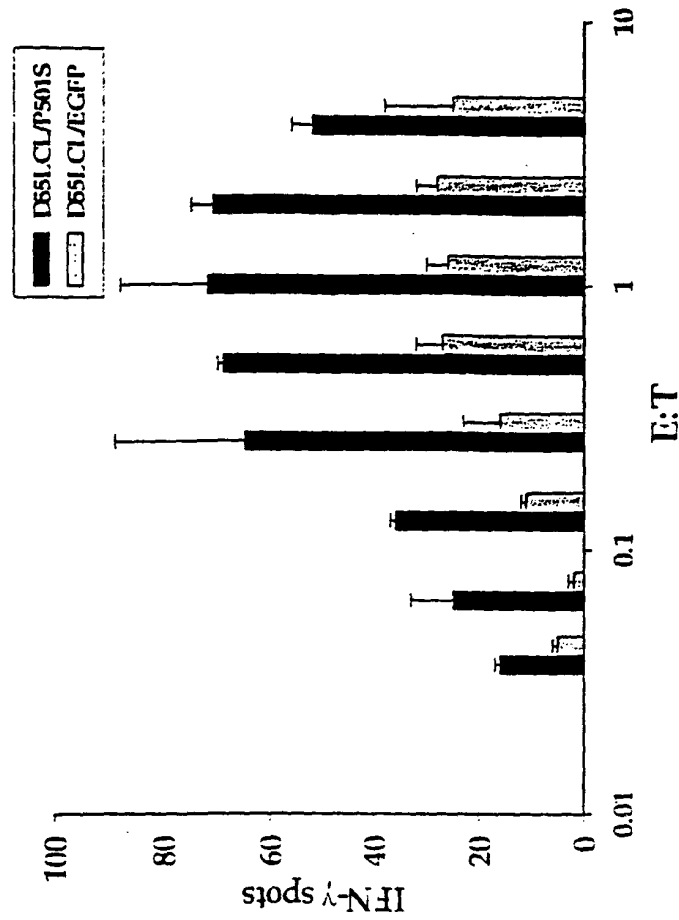


Fig. 6B

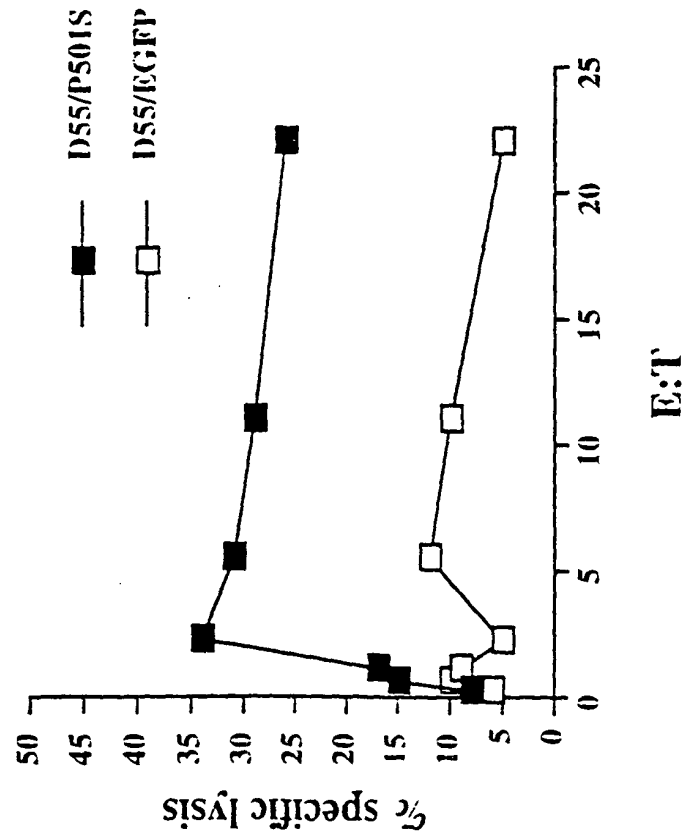
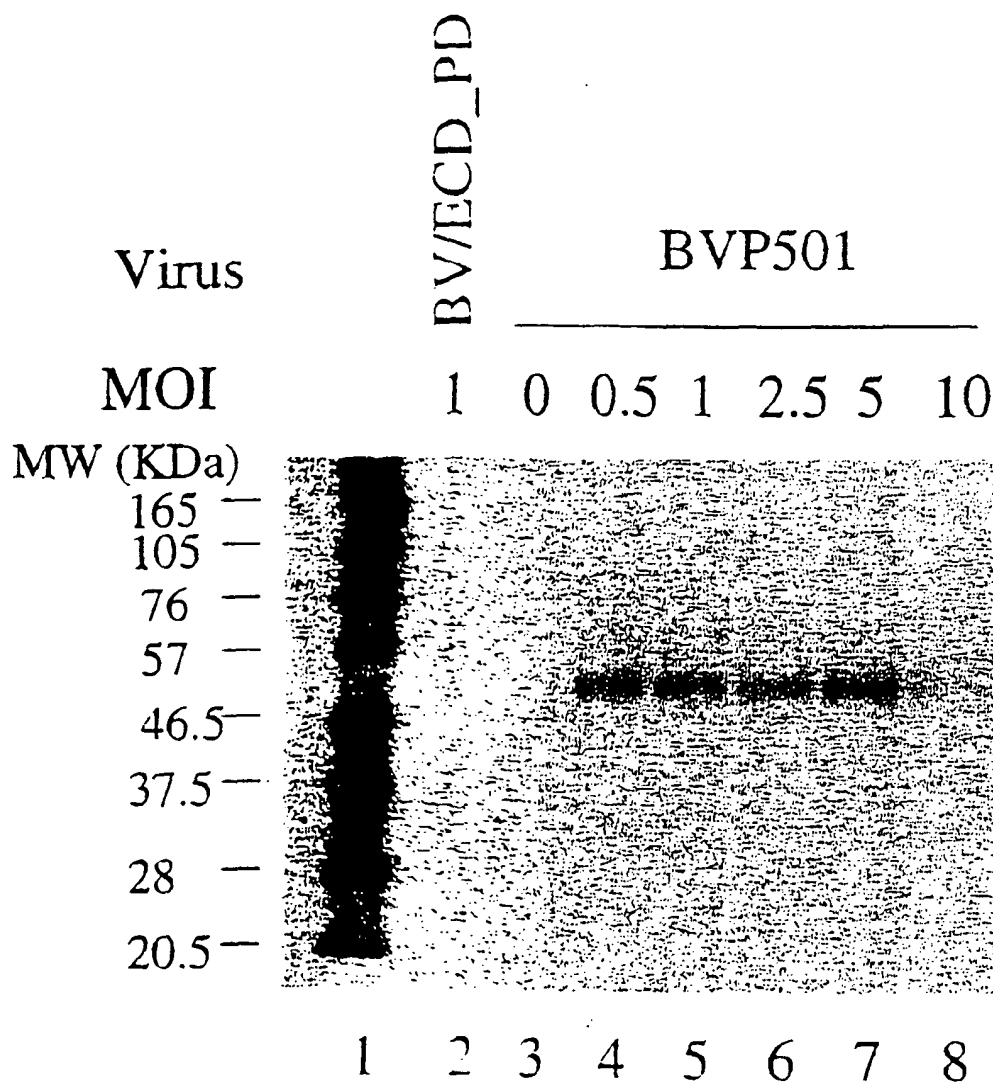


Fig. 6A

# Expression of P501S by the Baculovirus Expression System



0.6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD\_PD (lane 2), without virus (lane 3), or with recombinant baculovirus for P501 at different MOIs (lane 4 - 8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

Fig. 7



### Figure 8. Mapping of the epitope recognized by 10E3-G4-D3

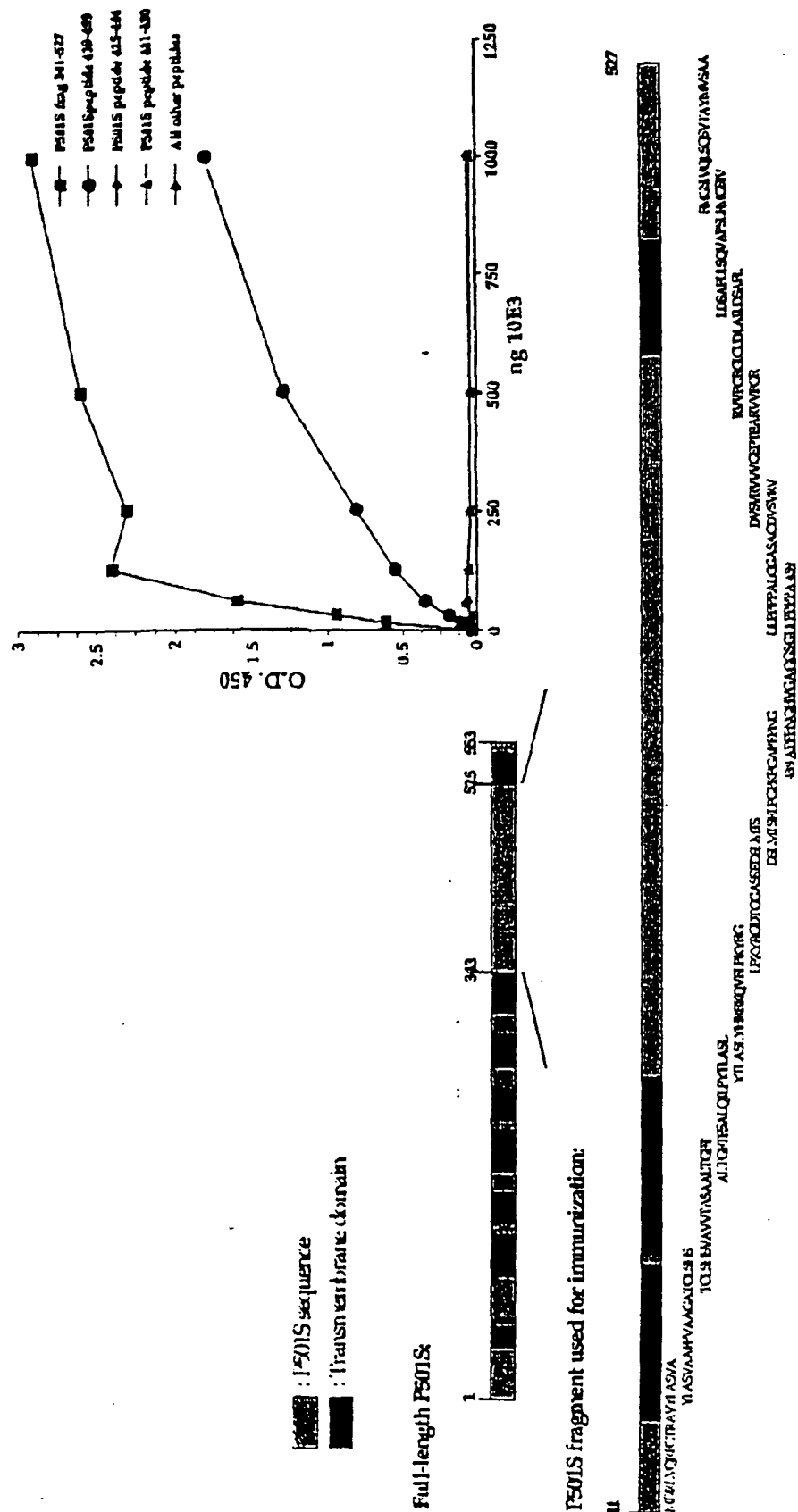


Fig. 8

# 7 Figure 1. Schematic of P501S with predicted transmembrane, cytoplasmic, and extracellular regions

MYQRIWVSRLLRHRK AQLLLVNLTLTGLEVCLAAGIT YVPPIILLEVGVEEKFM TMVLGIGPVGLVCVPLLLGSAS  
DHWGRGYGRRRP FIWALSLGILLSFLIPRAGWL AGLICPDPRPIE LAIIILGVGLIDFCGQVCFTPL  
FALLSDLFRDPDHCRO AYSVYAFMISLGCLGYLIPAI DWYSAIAPYLGTQEE  
CLFGLLTLFLTCVAATLL AFEAAIGPTEPAEGLSAPSISPHCCPCARLAFRNLGALLPRL  
HQLCCRMPRTLRR LFVAELCSWMAIMTFLFYTDF VGEGLYQGVPRAEPGTEARRHYDEGVR  
MGSLGLFLOCAISLVESLVM DRLVQRFGTRAVVLAS VAAFPVAAGATCLSHSVAVVTA SAA  
LTGTFTSALOILPYTLASLY HREKQVLPKYRGDTGGASSEDSLMTSFLPGPKGAPPNGHVGAGSGL  
LPPPPALCGASACDVSVRVVGEPTEARVVPGRG ICLDLAILDSAFLLSOVAPSLF MGSIVQLSQS  
VTAYMVSAAGLGLVAIYFAT QVVFDKSDLAKYSA

Underlined sequence: Predicted transmembrane domain; **Bold sequence**: Predicted extracellular domain;

*Italic sequence*: Predicted intracellular domain. Sequence in bold/underlined: used to generate polyclonal rabbit serum

Localization of domains predicted using HMMTOP (G.E. Tusnady and I. Simon (1998) Principles Governing Amino Acid Composition of Integral Membrane Proteins: Applications to topology Prediction. *J. Mol Biol.* 283, 489-506.

# Genomic Map of (5) Corixa Candidate Genes

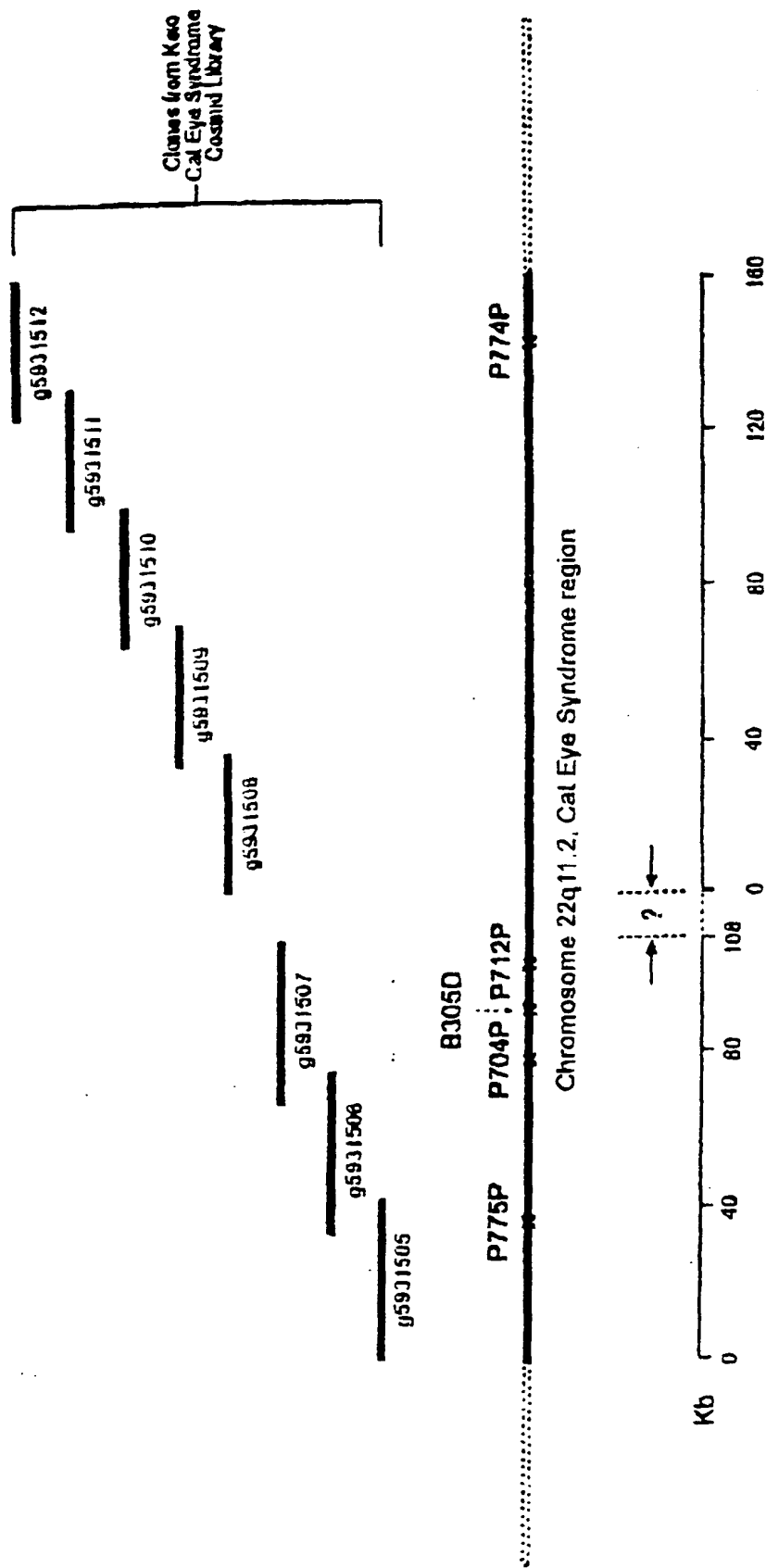


Fig. 10

11  
**FIGURE 4. Elisa assay of rabbit polyclonal antibody specificity**

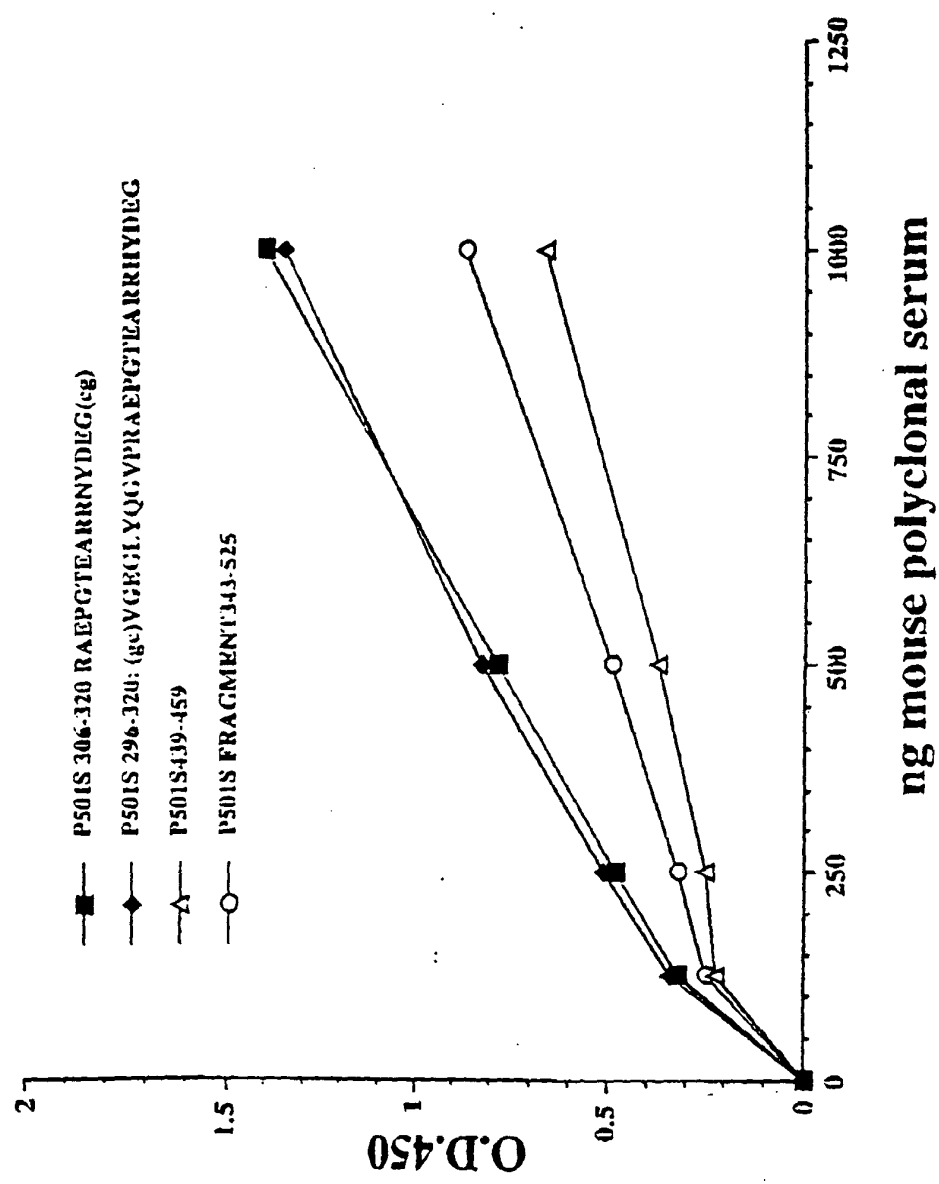


Fig. 11

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